Use the table below of a linear realationship to solve the following problems.

x	y
-3	7
-1	4
1	1
3	-2

Exercise 1 *Based on the table, if the next x value is 5, what would be the corresponding y value?*

$y = \boxed{-5}$

Exercise 2 *What would the y value be when $x = 0$?*

$y = \boxed{\dfrac{5}{2}}$

Exercise 3 *How much does the y value change when the x value increases by 1?*

$\boxed{-\dfrac{3}{2}}$

Exercise 4 *Write the equation for this line using slope-intercept form (Hint: you have already computed the slope and the y-intercept).*

$y = \boxed{-\dfrac{3}{2}}x + \boxed{\dfrac{5}{2}}$

Exercise 5 *Using the equation from the previous part, calculate the x-intercept.*

$(\boxed{\dfrac{5}{3}}, \boxed{0})$